

Title (en)
METHODS AND MEANS FOR OBTAINING MODIFIED PHENOTYPES

Title (de)
VERFAHREN UND MITTEL ZUM ERHALT VON VERÄNDERTEN PHÄNOTYPEN

Title (fr)
PROCEDES ET MOYENS D'OBTENTION DE PHENOTYPES MODIFIES

Publication
EP 1068311 B1 20110427 (EN)

Application
EP 99910592 A 19990407

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Abstract (en)
[origin: WO9953050A1] Methods and means are provided for reducing the phenotypic expression of a nucleic acid of interest in eucaryotic cells, particularly in plant cells, by introducing chimeric genes encoding sense and antisense RNA molecules directed towards the target nucleic acid, which are capable of forming a double stranded RNA region by base-pairing between the regions with the sense and antisense nucleotide sequence or by introducing the RNA molecules themselves. Preferably, the RNA molecules comprises simultaneously both sense and antisense nucleotide sequence.

IPC 8 full level
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Citation (examination)
LEE, R C ET AL: "The C. elegans heterochronic gene lin-4 encodes small RNAs with antisense complementarity to lin-14", CELL, vol. 75, no. 3, 1993, pages 843 - 854, XP024246130

Cited by
EP2554674A1; WO2017039452A1; WO2011147968A1; WO2006133983A1; WO2010142465A1; US9532520B2

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AL LT LV MK RO SI

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WO 9953050 A1 19991021; AT E507299 T1 20110515; AU 2951499 A 19991101; AU 760041 B2 20030508; CA 2325344 A1 19991021; CA 2325344 C 20171205; CN 1202246 C 20050518; CN 1306571 A 20010801; CY 1111682 T1 20151007; DE 69943389 D1 20110609; DK 1068311 T3 20110808; EP 1068311 A1 20010117; EP 1068311 A4 20050223; EP 1068311 B1 20110427; EP 1068311 B2 20201209; EP 2267138 A2 20101229; EP 2267138 A3 20110525; EP 2267138 B1 20160608; EP 2267139 A2 20101229; EP 2267139 A3 20110525; EP 2267139 B1 20170322; EP 3214177 A2 20170906; EP 3214177 A3 20171122; ES 2624549 T3 20170714; JP 2002511258 A 20020416; JP 5015373 B2 20120829; NZ 507093 A 20030829; PT 1068311 E 20110720; SI 1068311 T1 20110729

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